

**SPECIFICATION SHEET**

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**SMPS based BATTERY CHARGER (Auto Float Boost)**

**MODEL** : BCOE1220A

**INPUT**

- \* I/P : 230V AC, 1-Ph, 40-60Hz
- \* Range : 180-270V AC
- \* Fuse Protection
- \* I/P MOV
- \* Soft Start
- \* Inrush current : 46A@230V AC

**OUTPUT**

- \* Nominal Battery Voltage : 12V DC
- \* Float Voltage : 13.5V
- \* Boost Voltage : 14.4V
- \* Current : 20A (adj.7-20A pot given inside cover)
- \* Line Regulation : +/- 1%
- \* Load Regulation : +/- 1%
- \* Ripple : +/- 1% (P-P)
- \* Protections : a) Over load Protection auto recovery type.  
b) Short circuit Protection auto recovery type.  
c) Over Voltage Protection Latching type.  
d) Reverse Polarity by fuse
- \* Current Limit

**ENVIRONMENTAL**

- \* Operating temperature 0 to 50<sup>o</sup> C.
- \* Humidity : < 95% Rh
- \* IP 20 Protection

**GENERAL**

- \* Potential Free Contact - Alarm contact for output fail
- \* Isolation : Input to Output - 1.5KV  
Input to Earth - 1.5KV  
Output to Earth- 500V
- \* MTBF : 50K Hrs to MIL

## **INDICATIONS LED**

- : a) Input OK
- b) Battery reverse
- c) Output OVP
- d) Float
- e) Boost

## **MECHANICAL**

- \* Dimension : approx. 195(W) X 130(D) X 100(H)mm
- \* Cooling type : Fan
- \* Weight : approx. 1.4Kgs